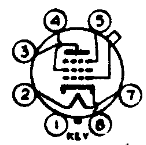
6U7-G ★

6U7-G

TRIPLE-GRID SUPER-CONTROL AMPLIFIER

Heater■	Coated Unipotential Cathode#		
Voltage	6.3		a-c or d-c volts
Current	0.3		amp.
Direct Interelectrode Capacitances:°			
Grid to Plate	0.007 max.	0.007 max.	μμf
Input	5	5	μμf
Output	9	9	μμf
Overall Length			4-5/8" to 4-7/8" ←
Seated Height			4-1/16" to 4-5/16" ←
Maximum Diameter			1-9/16"
Bulb			ST-12
Cap			Skirted Miniature
Base			Small Shell Octal 7-Pin

Pin 1 - No Connection
Pin 2 - Heater
Pin 3 - Plate
Pin 4 - Screen



Pin 5 - Suppressor
Pin 7 - Heater
Pin 8 - Cathode
Cap - Grid

BOTTOM VIEW (G-7R)

Mounting Position: Any

AMPLIFIER

Plate Voltage	300 max.	volts
Screen Voltage	100 max.	volts
Screen Supply Voltage	300 max.	volts
Grid Voltage	0 min.	volts
Plate Dissipation	2.25 max.	watts
Screen Dissipation	0.25 max.	watt

Typical Operation and Characteristics - Class A_1 Amplifier:

Plate	100	250	volts
Screen	100	100	volts
Grid	-3	-3	volts
Suppressor	Connected to cathode at socket		
Plate Res.	0.25	0.8 approx.	ohms
Transcond.	1500	1600	μmhos
Grid Bias for Transcond. of 2 μmhos	-50	-50	volts
Plate Cur.	8	8.2	ma.
Screen Cur.	2.2	2	ma.

■ In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.
The internal shield in the dome of the 6U7-G is connected to the cathode within the tube.
° With close-fitting shield connected to cathode.

The Curve under Type 6D6 also applies to the 6U7-G.

← Indicates a change.

Sept. 2, 1941 DATA

RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

RCA

6U7-G

AVERAGE PLATE CHARACTERISTICS



AUG. 20, 1941

RCA RADIOTRON DIVISION
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92C-6011R1